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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/373,953	01/17/795	DAVIS	11034

35M1/1209

ALAN D KAMRATH
PETERSON WICKS NEMER & KAMRATH
1407 500 LINE BUILDING
105 SOUTH FIFTH STREET
MINNEAPOLIS MN 55402

EXAMINER BONNER	
ART UNIT 3592	PAPER NUMBER 16
DATE MAILED: 12/03/96	

attached
Please find ~~below~~ a communication from the EXAMINER in charge of this application.

Commissioner of Patents



UNITED STATES DEPARTMENT OF COMMERCE
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CH
NOTICE OF ALLOWANCE AND ISSUE FEE DUE

35M1/1209

ALAN D KAMRATH
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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/373,953	01/17/95	032	BONCK, R	3502 12/09/96
First Named Applicant	DAVIS,		JOHN B.	

TITLE OF
INVENTION ROTATIONAL CONTROL APPARATUS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
3 1084		192-018.000	H22	UTILITY	YES \$645.00	03/10/97

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as yes, verify your current SMALL ENTITY status:

A. If the status is changed, pay twice the amount of the FEE DUE shown and notify the Patent and Trademark Office of the change in status, or
B. If the status is the same, pay the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "6b" of Part B should be completed.

III. All communications regarding this application must give application number and batch number. Please direct all communication prior to issuance to Box ISSUE FEE unless advised to the contrary.

If the SMALL ENTITY is shown as NO:

A. Pay FEE DUE shown above, or
B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability

Application No. 08/373,953	Applicant(s) John B. Davis et al.
Examiner Rodney H. Bonck	Group Art Unit 3502



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

This communication is responsive to the amendment received November 25, 1996.

The allowed claim(s) is/are 1-25, 27, and 29-34.

The drawings filed on Jan 17, 1995 are acceptable.

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

Applicant MUST submit NEW FORMAL DRAWINGS

because the originally filed drawings were declared by applicant to be informal.

including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____.

including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

Interview Summary, PTO-413

Examiner's Amendment/Comment

Examiner's Comment Regarding Requirement for Deposit of Biological Material

Examiner's Statement of Reasons for Allowance

Art Unit: 3502

The following action is in response to the amendment received November 25, 1996, Paper No. 15.

Claims 1-25, 27, and 29-34 are allowed.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

The prior art of record fails to show or render obvious the claimed rotational control apparatus wherein one of the ring of magnetic material and the permanent magnets of the eddy current drive is carried by the input and the other is mounted on the first, friction disc portion. The art also fails to show a rotational control apparatus having a means for rotating the hub on the shaft at a speed different from the first rotational speed when the first, friction disc portion is in the second position including a first drive component located on the input and a second drive component mounted on the first, friction disc portion with the spacing between the drive components changing as the first friction disc portion moves from its second position to its first position. The prior art of record fails to show cooling fins in first and third quadratures arranged at an acute angle from radial lines while fins in the second and fourth quadratures are arranged along radial lines. The prior art also fails to show the vanes on the first and second drive components as defined in combination with a pilot extension for removably and slidably mounting a fan to the output, the fan drawing air through openings and intermediate the first and second components.

Art Unit: 3502

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

In accordance with MPEP 608.01(n), claims 1-3, 10, 11, 4-9, 32, 33, 12-21, 34, 22-24, 29-31, 25, and 27 will be renumbered for printing as claims 1-32, respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney H. Bonck whose telephone number is (703) 308-2904.



RODNEY H. BONCK
PRIMARY EXAMINER
ART UNIT 352

rhb

December 6, 1996